

U.S. Patent Application Serial No. 10/560,037
Response dated April 6, 2009
Reply to OA of **February 5, 2009**

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

A back pressure chamber [[12]] (12) provided on a back surface of an orbiting scroll [[5]] (5) is divided into an inner region [[12a]] (12a) and an outer region [[12b]] (12b) by an annular seal [[11]] (11). A diameter d of the annular seal [[11]] (11) is set 0.5 times or more of a diameter D of an orbiting mirror plate [[5a]] (5a). With this, plus thrust force can be applied to the orbiting scroll [[5]] (5) irrespective of magnitude of a discharge pressure P_d applied to the inner region [[12a]] (12a). Therefore, it is possible to push the orbiting scroll [[5]] (5) against the fixed scroll [[4]] (4) only by back pressure of discharge pressure. A set pressure P_m of the outer region [[12b]] (12b) is reduced to a value close to a suction pressure P_s , a pressure adjusting mechanism [[20]] (20) is swiftly opened after a scroll compressor is started. With this, lubricant oil is supplied from the outer region [[12b]] (12b) to the suction space [[9]] (9) without a time lag.